

Updated

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	29	"4981431"	USPAT	OR	OFF	2007/07/18 10:53
S2	26	("4981431").URPN.	USPAT	OR	OFF	2005/06/30 10:16
S3	2	"6769901"	USPAT	OR	OFF	2005/06/30 11:24
S4	0	4725/549.ccls. and (two adj openings)	USPAT	OR	OFF	2005/06/30 11:25
S5	1	425/549.ccls. and (two adj openings)	USPAT	OR	OFF	2005/06/30 11:35
S6	498	425/549.ccls.	USPAT	OR	OFF	2005/06/30 11:44
S7	28	425/549.ccls. and needle	USPAT	OR	OFF	2007/04/23 16:16
S8	0	EP044757	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 11:54
S9	0	EP0447573	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 11:54
S10	5	"0447573"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:04
S11	12	"430454"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 11:55
S12	44	"4304544"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 11:55
S13	31	("4304544").URPN.	USPAT	OR	OFF	2005/06/30 11:56
S14	0	"EP0447573"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:05
S15	0	EP19900105053	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:05
S16	0	"EP19900105053 19900317"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:05
S17	12	"447573"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:17
S18	473	425/564.ccls.	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:17
S19	291	425/564.ccls. and (needle or plunger or pin)	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/06/30 12:17

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## EAST Search History

S20	17	("2770011"   "3530539"   "3806295"   "4378963"   "4424622"   "5078589"   "5094603"   "5268184"   "5269676"   "5368470"   "5372496"   "5609893"   "5641526"   "5645874"   "5952016").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 16:01
S21	115	425/565-566.ccls. and (perpendicular or radial or branch)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 16:06
S22	552	425/562.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 10:54
S23	7	("4043740"   "4094447"   "4344750"   "4688622"   "4768283"   "4793795"   "4854851").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/30 17:16
S24	5	425/562.ccls. and (compression adj springs)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 10:57
S25	57	425/562.ccls. and (springs or coils)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:18
S26	0	"425"/\$.ccls. and (thermal adj compression adj (space or gap))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:18
S27	1	"425"/\$.ccls. and (thermal adj (space or gap)).	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:26
S28	62029	"425"/562, "565" - "566".ccls. and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:26
S29	170	"425"/562,565-566.ccls. and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:27
S30	170	425/562,565-566.ccls. and gap	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:36
S31	1	425/562,565-566.ccls. and ((thermal or expansion) adj (gap or space))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/01 11:36
S32	11	"4094447"	USPAT	OR	OFF	2005/07/05 09:52
S33	7	("2471683"   "3533594"   "3568256"   "3758252").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/05 09:50
S34	8	"976314"	USPAT; EPO; DERWENT	OR	OFF	2005/07/05 09:53

## EAST Search History

S35	7	("2471683"   "3533594"   "3568256"   "3758252").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/05 09:52
S36	12	"4094447"	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/07/05 09:52
S37	7	("2471683"   "3533594"   "3568256"   "3758252").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/05 09:52
S38	4	"976314"	EPO; DERWENT	OR	OFF	2005/07/05 09:55
S39	1	"CA 976314 A"	EPO; DERWENT	OR	OFF	2005/07/05 09:56
S40	7	("2471683"   "3533594"   "3568256"   "3758252").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/05 09:59
S41	678	425/549.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:50
S42	558	425/562.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:50
S43	556	425/564.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:50
S44	41	425/565.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:50
S45	239	425/566.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:51
S46	531	S41 not (S42 or S43 or S44 or S45)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:54
S47	422	S42 not (S41 or S43 or S44 or S45)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:51
S48	294	S43 not (S41 or S42 or S44 or S45)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 15:36

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S49	30	S44 not (S41 or S42 or S43 or S45)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:51
S50	71	S45 not (S41 or S42 or S43 or S44)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 16:04
S51	16	"430454"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/12 14:54
S52	31	("4304544").URPN.	USPAT	OR	OFF	2005/12/12 15:29
S53	624	B29C045/30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/12 15:30
S54	1	("5536165").URPN.	USPAT	OR	OFF	2005/12/21 11:49
S55	13	("4026518"   "4268240"   "4303382"   "4433969"   "4443178"   "4705473"   "4932858"   "5334010"   "5518393"   "5545028"   "5834041"   "5849343"   "5891381").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/05 11:43
S56	715	425/549.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S57	623	425/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S58	63	425/565.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S59	255	425/566.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43

## EAST Search History

S60	575	S56 not (S57 or S58 or S59)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S61	422	S57 not (S56 or S58 or S59)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S62	52	S58 not (S56 or S57 or S59)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S63	94	S59 not (S56 or S57 or S58)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/05 11:43
S64	2	("5820899"   "6009616").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/05 12:01
S65	6	("3822856"   "4344750"   "4557685"   "4705473"   "4981431"   "5554395").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/05 13:07
S66	2	("5820899"   "6009616").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 09:30
S67	41	"4304544"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 09:30
S68	33	("4304544").URPN.	USPAT	OR	OFF	2006/05/15 10:34
S69	7	"5368470"	USPAT	OR	OFF	2006/05/15 10:34
S70	2	("5066216"   "5078589").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/15 10:38
S71	1692	"cam disk"	USPAT	OR	OFF	2007/04/23 15:52
S72	21	"cam disk" and "injection molding"	USPAT	OR	OFF	2007/04/23 15:54
S73	34	"cam disk" and "injection molding"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/04/23 15:57

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S74	19	"eccentric disk" and "injection molding"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/04/23 15:58
S75	0	"2006257521"	US-PGPUB; USPAT	OR	OFF	2007/04/23 16:17
S76	0	"US 2006257521"	US-PGPUB; USPAT	OR	OFF	2007/04/23 16:16
S77	32	425/549.ccls. and needle	US-PGPUB; USPAT	OR	OFF	2007/04/23 16:16
S78	1	"20060257521"	US-PGPUB; USPAT	OR	OFF	2007/04/23 16:17
S79	5	"5597465"	USPAT	OR	OFF	2007/04/25 12:14
S80	7	"5591465"	USPAT	OR	OFF	2007/04/25 12:15
S81	3	"6162044"	USPAT	OR	OFF	2007/04/25 12:20
S82	10	"5368470"	USPAT	OR	OFF	2007/04/25 12:21
S83	253	425/563.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/07/18 10:53
S84	691	425/572.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/07/18 10:53
S85	292	425/568.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/07/18 10:53
S86	234	S83 not (S84 or S85)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/07/18 10:54
S87	653	S84 not (S83 or S85)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/07/18 11:05
S88	258	S85 not (S83 or S84)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/07/18 11:20

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## EAST Search History

S89	6	("4938681").URPN.	USPAT	OR	OFF	2007/07/18 10:56
S90	23	("3847525").URPN.	USPAT	OR	OFF	2007/07/18 10:58
S91	3	("5023039").URPN.	USPAT	OR	OFF	2007/07/18 10:58
S92	13	("4971747").URPN.	USPAT	OR	OFF	2007/07/18 10:59
S93	42	("4279582").URPN.	USPAT	OR	OFF	2007/07/18 11:00
S94	3	("2862240").URPN.	USPAT	OR	OFF	2007/07/18 11:04
S95	6	("5591465").URPN.	USPAT	OR	OFF	2007/07/18 11:12
S96	9	("2571766").URPN.	USPAT	OR	OFF	2007/07/18 11:18
S97	2	("4128385").URPN.	USPAT	OR	OFF	2007/07/18 11:22